Upskilling Task

This task not related to any real project it just for test your skills to be able to help you in our "JSB" program .

<u>**Details :**</u>
Your company is developing an online store. You need to create a product management API that allows for managing product inventory and customer orders.

We need to :

1) <u>Design Entities:</u>

- Product (ProductId, Name, Description, Price, Stock)
- Order (OrderId, CustomerId, OrderDate, TotalAmount)

2) <u>Relationships and Constraints: (use any SQL DB)</u>

- One-to-Many Relationship: An order can have multiple products.

3) <u>Data Validation:</u>

- Ensure the **Name** and **Description** fields for products are not empty. Ensure **Price** and **Stock** are non-negative.

4) <u>API Endpoints:</u>

- Products API

  - GET /api/products: Retrieve a list of all products.

  - GET /api/products/{id}: Retrieve a specific product by ID.

  - POST /api/products: Add a new product.

  - PUT /api/products/{id}: Update an existing product.

- DELETE /api/products/{id}: Delete a product.

- Orders API:

  - GET /api/orders: Retrieve a list of all orders.

  - GET /api/orders/{id}: Retrieve a specific order by ID.

  - POST /api/orders: Create a new order.

  - PUT /api/orders/{id}: Update an existing order.

  - DELETE /api/orders/{id}: Delete an order.

UPSKILLING
FROM LEARN TO EARN

Phone: 01154932137

Email: upskilling.eg1.gmail.com